






LEGEND OF SYMBOLS	
17+00 (NEW), 17+00 (OLD)	CHANNEL STATIONING
○ 417	CHANNEL CORNER
⊙ H.L.F.	HARBOR LINE CORNER
=====	FEDERAL CHANNEL
=====	HARBOR LINE
-----	SUBMARINE CABLE
	CAN BUOY
	NUN BUOY
	LIGHTED BUOY
	FIXED LIGHT
	LIGHT HOUSE
W	LIGHT COLOR WHITE
R	LIGHT COLOR RED
G	LIGHT COLOR GREEN
FL	FLASHING LIGHT
F	FIXED LIGHT
Qc	OCCLUDING LIGHT
ISO	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

1. PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO LOW WATER DATUM OF 243.3 FEET IGLD 1985.
2. HORIZONTAL CONTROL IS REFERRED TO NORTH AMERICAN DATUM 1983 NEW YORK STATE PLANE COORDINATE SYSTEM-CENTRAL ZONE.
3. PROJECT DEPTH IS AS NOTED BELOW LOW WATER DATUM.
4. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. BANNING AND PARTY ON OCTOBER 28, 2014 USING:
GPS POSITIONING, REAL TIME KINEMATIC GPS BASE STATION
SONAR HEAD: 240 KHZ, SEABAT 7101 MULTIBEAM
1.5 DEGREE BEAMS 210 DEGREE ARC
HEAVE PITCH AND ROLL; APPLANIX POS-MV VER. 5
VELOCITY PROFILER; SONTEK CASTAWAY
HYPACK SURVEY SOFTWARE
SURVEY LAUNCH "WITMER"
5. THE SOUNDING INFORMATION DEPICTED ON THE MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION AT THAT TIME.
6. AERIAL IMAGERY SHOWN WAS OBTAINED THROUGH THE NEW YORK STATE GIS CLEARINGHOUSE.
7. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110-2-1003.

CHANNEL CORNERS COORDINATES		
POINT	NORTHING	EASTING
1	1439939.8	942169.5
2	1440072.9	942694.7
3	1439574.6	942645.2
4	1439027.9	942032.2
5	1439400.0	941565.6
6	1439595.4	941721.5
7	1439412.1	941951.4
8	1439396.3	942056.3
9	1439463.5	942130.3



Original sheet size = ANSI D

**** COPY OF SIGNED ORIGINAL ****

Drawn by:	KPL
Checked by:	ACK
Reviewed by:	
	Roman H. Figler III PLS
	Chief, Survey Section
Approved by:	

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
BUFFALO, NEW YORK 14207-3199

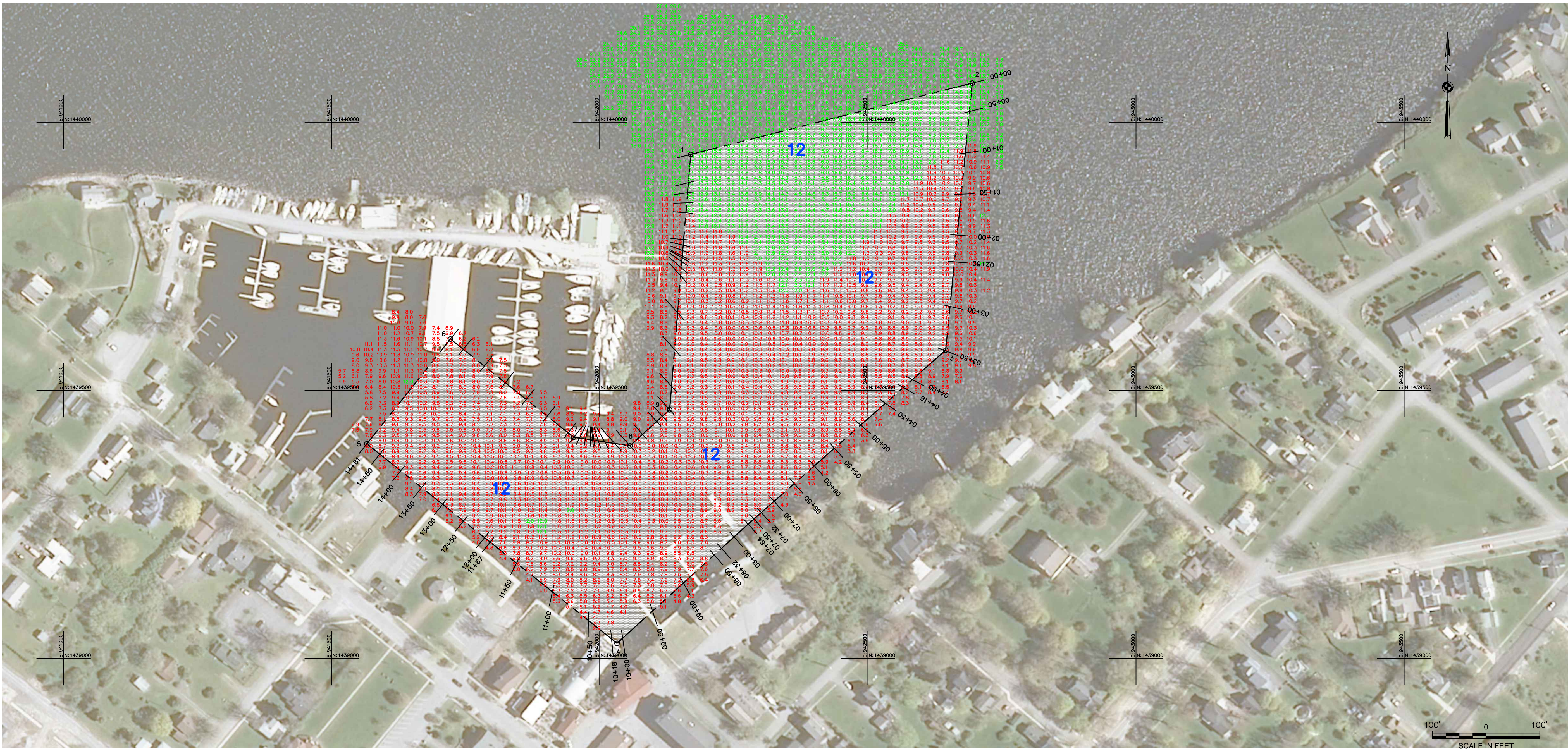
SACKETS HARBOR, NY

PROJECT CONDITIONS SOUNDINGS 2014

SCALE: 1"=100'

Sheet
reference
number

Sheet 1 of 1



*** SUPPORT VALUE ENGINEERING - IT PAYS ***